		Aeronautics Educ	ator Guide				
2010 Science							
Standards of Learning							
Virginia Science							
Grade 2	0.1	0, 1					
Activity/Lesson	State	Standards	The student will see don't be self-unit and in this				
			The student will conduct investigations in which				
Air Engines (10.16)	\_	0010010	observations and predictions are made and				
Air Engines (12-16)	VA	SCI.2.2.1.a	questions are formed;				
			The student will conduct investigations in which length, volume, mass, and temperature are				
			measured in metric units and standard English				
Air Engines (12-16)	VA	SCI.2.2.1.e	units using the proper tools;				
Where is North? The	VA	301.2.2.1.6	The student will conduct investigations in which				
Compass Can Tell Us			observations and predictions are made and				
(87-90)	VA	SCI.2.2.1.a	questions are formed;				
(0. 00)	v, t	551.2.2.1.d	The student will conduct investigations in which				
			simple physical models are designed and				
Let's Build a Table Top			constructed to clarify explanations and show				
Airport (91-96)	VA	SCI.2.2.1.I	relationships; and				
Plan to Fly There (97-		0 0 11 2 1 1 1 1 1	The student will conduct investigations in which				
106)	VA	SCI.2.2.1.f	time is measured using the proper tools;				
We Can Fly, You and			3 1 1 7				
I: Interdisciplinary			The student will conduct investigations in which				
Learning (107-108)	VA	SCI.2.2.1.f	time is measured using the proper tools;				
			The student will conduct investigations in which				
Dunked Napkin ( 17-			observations and predictions are made and				
22)	VA	SCI.2.2.1.a	questions are formed;				
Dunked Napkin (17-			The student will conduct investigations in which				
22)	VA	SCI.2.2.1.j	conclusions are drawn;				
			The student will conduct investigations in which				
D D M 1 (00			length, volume, mass, and temperature are				
Paper Bag Mask (23-		001004	measured in metric units and standard English				
28)	VA	SCI.2.2.1.e	units using the proper tools;				
			The student will conduct investigations in which length, volume, mass, and temperature are				
Wind in Your Socks)			measured in metric units and standard English				
(29-35)	VA	SCI.2.2.1.e	units using the proper tools;				
(29-33)	VA	301.2.2.1.6	The student will conduct investigations in which				
			observations and predictions are made and				
Bag Balloons (40-43)	VA	SCI.2.2.1.a	questions are formed;				
		551.E.E. 1.d	The student will conduct investigations in which				
			length, volume, mass, and temperature are				
			measured in metric units and standard English				
Sled Kite (44-51)	VA	SCI.2.2.1.e	units using the proper tools;				
, ,			The student will conduct investigations in which				
Delta Wing Glider (60-			observations and predictions are made and				
68)	VA	SCI.2.2.1.a	questions are formed;				
		A oronautica Falle	eter Guide				
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Standards of Learning							
Standards of Learning							

Virginia Science			
Grade 3			
Activity/Lesson	State	Standards	
Air Engines (12-16)	VA	SCI.3.3.1.e	The student will plan and conduct investigations in whichlength, volume, mass, and temperature are estimated and measured in metric and standard English units using proper tools and techniques;
Let's Build a Table Top Airport (91-96)	VA	SCI.3.3.1.I	The student will plan and conduct investigations in which models are designed and built; and
Plan to Fly There (97- 106)	VA	SCI.3.3.1.f	The student will plan and conduct investigations in which time is measured to the nearest minute using proper tools and techniques;
We Can Fly, You and I: Interdisciplinary Learning (107-108) We Can Fly, You and I: Interdisciplinary Learning (107-108)	VA VA	SCI.3.3.1.f SCI.3.3.1.h	The student will plan and conduct investigations in which time is measured to the nearest minute using proper tools and techniques;  The student will plan and conduct investigations in which data are gathered, charted, graphed, and analyzed;
Dunked Napkin ( 17-22)	VA	SCI.3.3.1.b	The student will plan and conduct investigations in which predictions are formulated using a variety of sources of information;
Dunked Napkin ( 17- 22)	VA	SCI.3.3.1.h	The student will plan and conduct investigations in which data are gathered, charted, graphed, and analyzed;
Dunked Napkin ( 17-22)	VA	SCI.3.3.1.j	The student will plan and conduct investigations in which inferences are made and conclusions are drawn;
Paper Bag Mask (23-28)	VA	SCI.3.3.1.e	The student will plan and conduct investigations in which length, volume, mass, and temperature are estimated and measured in metric and standard English units using proper tools and techniques;
Paper Bag Mask (23- 28)	VA	SCI.3.3.1.j	The student will plan and conduct investigations in which inferences are made and conclusions are drawn;
Wind in Your Socks) (29-35)	VA	SCI.3.3.1.e	The student will plan and conduct investigations in which length, volume, mass, and temperature are estimated and measured in metric and standard English units using proper tools and techniques;
Right Flight (52-59)	VA	SCI.3.3.1.I	The student will plan and conduct investigations in which models are designed and built; and
Delta Wing Glider (60- 68)	VA	SCI.3.3.1.b	The student will plan and conduct investigations in which predictions are formulated using a variety of sources of information;

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Activity/Lesson	State	Standards				
	VA	SCI.4.4.1.a	The student will plan and conduct investigations in which distinctions are made among observations, conclusions, inferences, and predictions;			
Air Engines (12-16)	VA	501.4.4.1.a	The student will plan and conduct investigations in which appropriate instruments are selected and used to measure length, mass, volume, and			
Air Engines (12-16)	VA	SCI.4.4.1.c	temperature in metric units;  The student will plan and conduct investigations in which motion is described by an object's			
Air Engines (12-16)	VA	SCI.4.4.2.a	direction and speed;  The student will plan and conduct investigations			
Air Engines (12-16)	VA	SCI.4.4.2.b	in which changes in motion are related to force and mass;			
Air Engines (12.16)	VA	SCI.4.4.2.c	The student will plan and conduct investigations in which friction is a force that opposes motion;			
Air Engines (12-16)	VA	301.4.4.2.0	and			
Plan to Fly There (97- 106)	VA	SCI.4.4.1.d	The student will plan and conduct investigations in which appropriate instruments are selected and used to measure elapsed time;			
Plan to Fly There (97-106)	VA	SCI.4.4.2.a	The student will plan and conduct investigations in which motion is described by an object's direction and speed;			
We Can Fly, You and I: Interdisciplinary Learning (107-108)	VA	SCI.4.4.1.d	The student will plan and conduct investigations in which appropriate instruments are selected and used to measure elapsed time;			
Dunked Napkin ( 17- 22)	VA	SCI.4.4.1.a	The student will plan and conduct investigations in which distinctions are made among observations, conclusions, inferences, and predictions;			
Dunked Napkin ( 17- 22)	VA	SCI.4.4.1.h	The student will plan and conduct investigations in which hypotheses are developed as cause and effect relationships;			
Paper Bag Mask (23- 28)	VA	SCI.4.4.1.a	The student will plan and conduct investigations in which distinctions are made among observations, conclusions, inferences, and predictions;			
Paper Bag Mask (23- 28)	VA	SCI.4.4.1.c	The student will plan and conduct investigations in which appropriate instruments are selected and used to measure length, mass, volume, and temperature in metric units;			
Wind in Your Socks) (29-35)	VA	SCI.4.4.1.a	The student will plan and conduct investigations in which distinctions are made among observations, conclusions, inferences, and predictions;			

Wind in Your Socks)			appropriate instruments are selected and used to measure length, mass, volume, and
(29-35)	VA	SCI.4.4.1.c	temperature in metric units;
Right Flight (52-59)	VA	SCI.4.4.1.I	mThe student will plan and conduct investigations in which odels are constructed to clarify explanations, demonstrate relationships, and solve needs; and
Delta Wing Glider (60-68)		SCI.4.4.1.a	The student will plan and conduct investigations in which distinctions are made among observations, conclusions, inferences, and predictions;